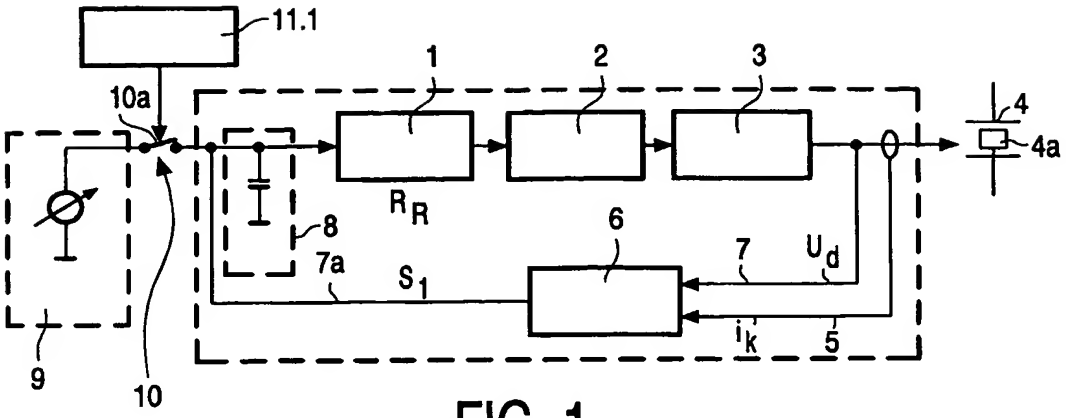
11.1
1
2
3
10a
4
4a
R_R
8
6
7a
S_1
7
U_d
i_k
5
9
10

FIG. 1

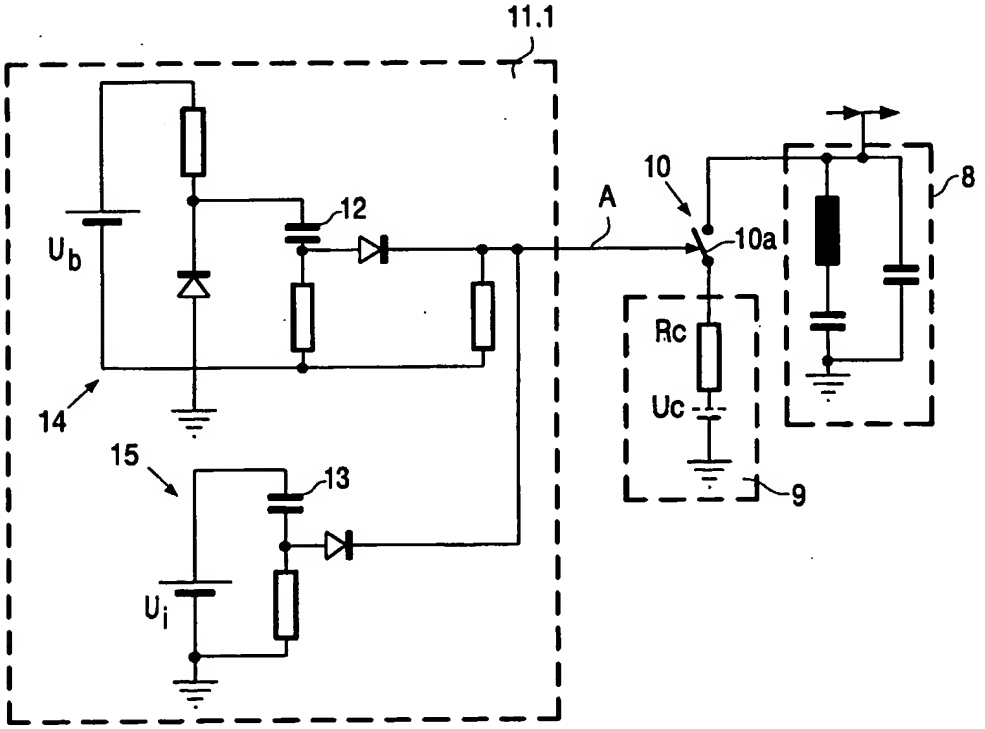
11.1
U_b
12
A
10
10a
8
Rc
Uc
9
14
15
13
U_i

FIG. 2

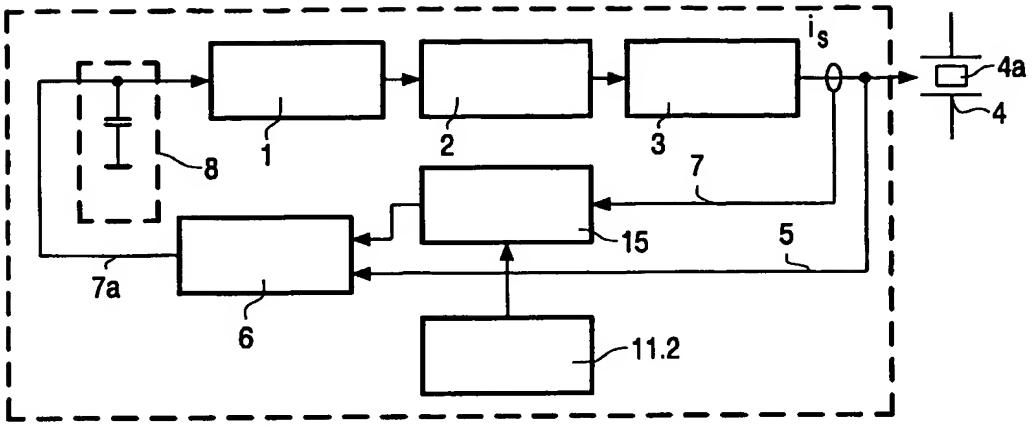

FIG. 3

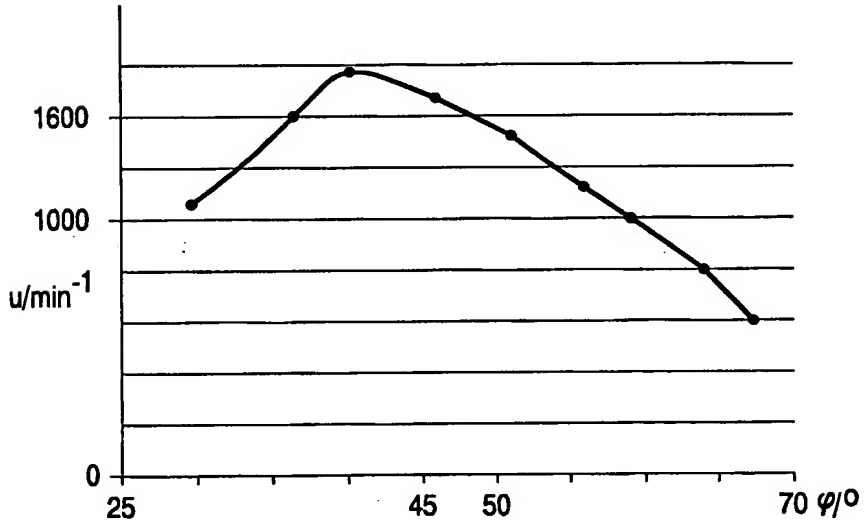

FIG. 4

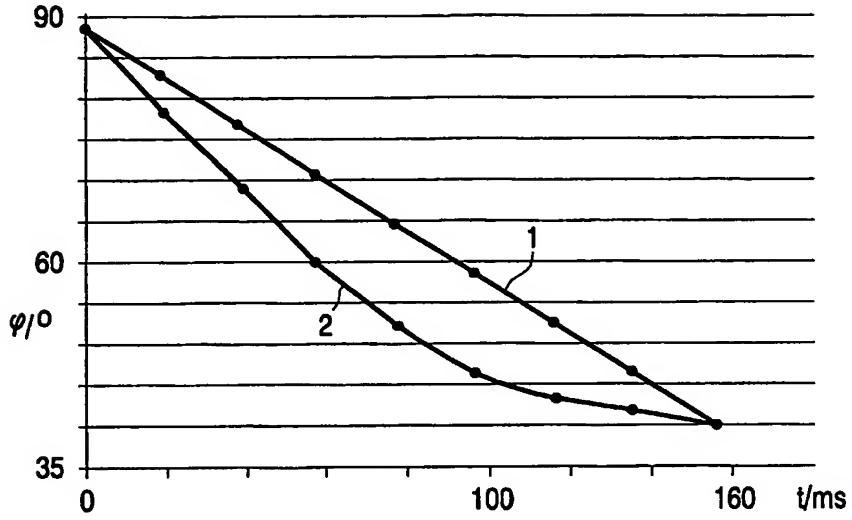
90
60
35
φ/°
0
100
160
t/ms
1
2

FIG. 5

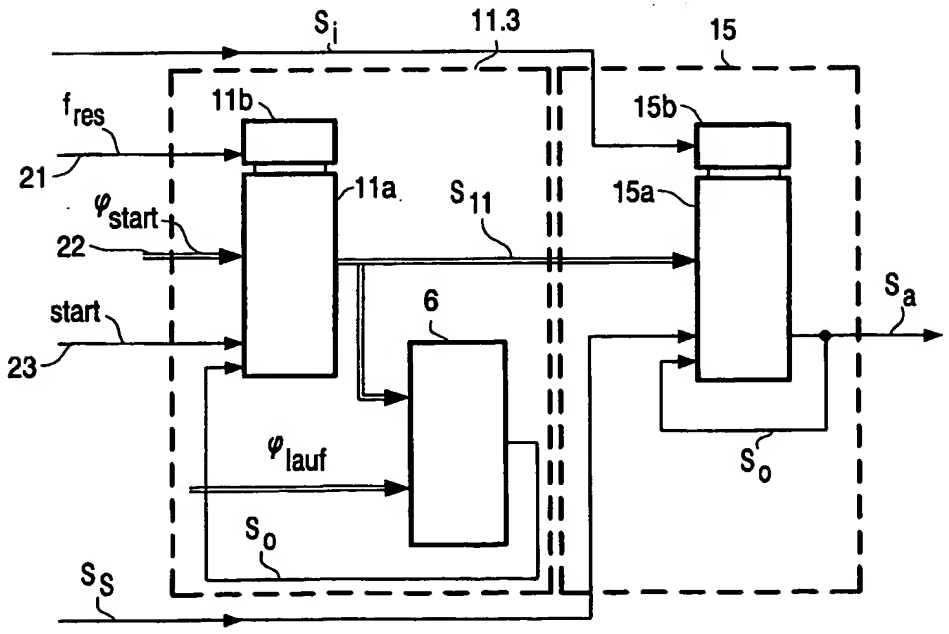
S_i
11.3
15
f_{res}
11b
15b
21
11a
S_{11}
15a
φ_{start}
22
6
S_a
start
23
φ_{lauf}
S_o
S_o
S_S

FIG. 6

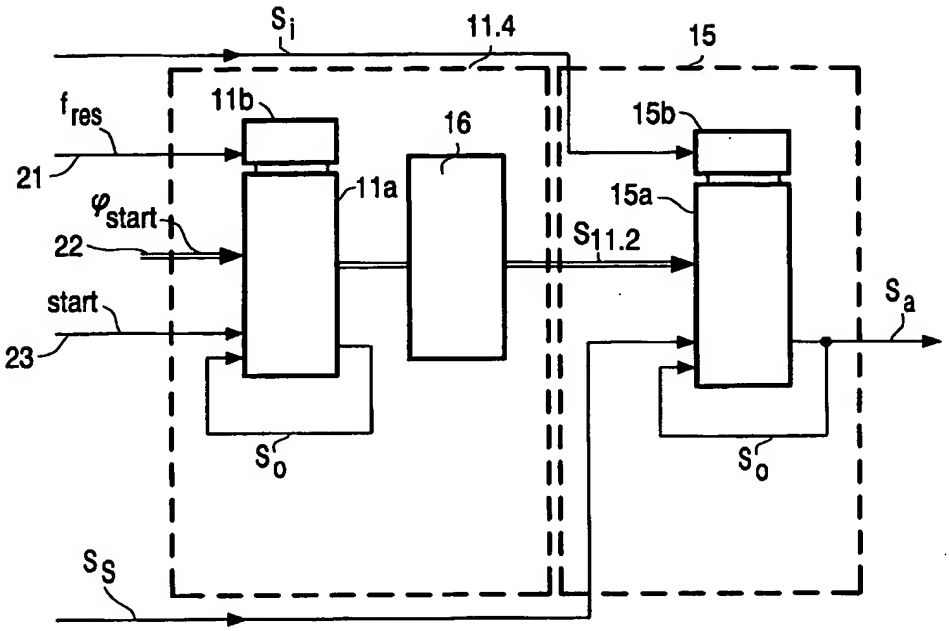
S_i
11.4
15
f_{res}
11b
16
15b
21
11a
15a
φ_{start}
$S_{11.2}$
22
S_a
start
23
S_o
S_o
S_S

FIG. 7